

What is earth leakage circuit breaker?

The earth leakage circuit breaker can protect overload and short-circuit of the circuit or motor, it can also be converted and started infrequently under normal circumstances. The earth leakage circuit breakers meet the standards of GB16917.1-2003 and IEC61009-1, the product obtains design the national patent certificate.

Can an earth leakage circuit breaker cause a fire?

A leakage current of 100 mA or more can cause a fire. An earth leakage circuit breaker detects earth leakage of approximately 15 to 30 mA, and immediately shuts off the circuit within 0.1 seconds, preventing an accident.

When do you need an earth leakage circuit breaker?

As shown in the figure below, in cases such as when an electrical device is used in a location where there is humidity or moisture, or when a portable motor-driven appliance is used in a location of high conductivity such as an iron plate or iron frame, an earth leakage circuit breaker is necessary.

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This section provides an overview for earth-leakage circuit breakers as well as their applications and principles. Also, please take a look at the list of 22 earth-leakage circuit breaker ...

An Earth Leakage Circuit (ELC), also known as an Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD), is a crucial electrical ...

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